Thermal Body Temperature Cameras

Required Components (sold separately)

- Thermal Hybrid Network Camera
- Blackbody
- 16-channel NVR

Solution Features

- Safe, Efficient, and Accurate Temperature Monitoring
- ±0.3° C (±0.54° F) Temperature Measurement Accuracy (with blackbody)
- Long-distance Screening at up to 4.50 m (15.0 ft)
- Enhanced Power and Data Transmission Distances (ePoE)
- Recommended Use in Commercial Buildings, Healthcare Facilities, Airports, Metro Stations, and Public Gathering Locations

Solution Overview

The BABACO's Thermal Temperature Monitoring Solution offers the latest hybrid thermal network camera that combines a Vanadium Oxide (VOx) sensor with a 2 MP visible-light sensor. The solution also provides a blackbody calibration device that maintains a customizable constant temperature as a reference point for the thermal camera. The thermal camera coupled with the blackbody calibration device and a feature-rich 4 TB Network Video Recorder delivers a contactless solution for continuous and non-invasive comparison of human skin temperature compared to the blackbody device. Thermal imaging equipment can easily be installed and implemented to detect elevated skin temperature in environments such as airports, hospitals, and clinics.

The BABACO Thermal Temperature Monitoring Solution is not FDA-cleared or approved. The Solution should not be solely or primarily used to diagnose or exclude a diagnosis of COVID-19 or any other disease. Elevated skin temperature in the context of use should be confirmed with secondary evaluation methods (e.g., an NCIT or clinical grade contact thermometer). Public health officials, through their experience with the Solution in the particular environment of use, should determine the significance of any fever or elevated temperature based on the skin telethermographic temperature measurement. The Solution should be used to measure only one subject's temperature at a time. Visible thermal patterns are only intended for locating the points from which to extract the thermal measurement.

Thermal Camera Functions

High Thermal Sensitivity
The VOx detector offers high thermal sensitivity (≤ 50 mK) that allows the thermal cameras to distinguish objects in a scene with minimal temperature differences. The camera captures detailed images where thermal contrast between object and background is minimal.

NVR Functions

The BABACO NVR solution combines Analytics+ algorithms into an all-in-one network video recorder. This NVR uses a powerful multi-core processor to provide 4K resolution processing for applications where impeccable image details are required. The Analytics+ algorithms significantly improve accuracy and reliability, as compared to standard intelligent features.

Face Detection
The NVR performs real-time face detection to identify and capture human faces in digital images.

Smart H.265+
Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

4K Resolution
4K resolution is a revolutionary breakthrough in image processing technology. 4K delivers four times the resolution of standard HDTV 1080p devices and offers superior picture quality and image details. 4K resolution improves the clarity of a magnified scene to view or record crisp forensic video from large areas.

For more information contact a BABACO Representative at 800.283.2222 or email us Sales@Babaco.com